

ABSTRACT

A back pressure valve, comprises: a first housing including a first chamber formed therein having an inlet and an outlet for a first fluid; a second housing including a second chamber formed; a flexible diaphragm having an outer peripheral edge portion abutting the second housing; and closing off the second chamber; a back pressure member moveably disposed in the first chamber of the first housing, wherein the first chamber is defined by the first housing and the back pressure member; wherein the flexible diaphragm is fixed onto and moveable together with the back pressure member, whereby pressure in the second chamber determines fluid pressure required to maintain the back pressure member in a steady position.

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